

AMENDMENTS TO THE CLAIMS

1.-4. (Canceled)

5. (Currently amended) A method for regenerating a mammalian tissues
~~or organs~~ lens comprising the steps of:

(a) surgically opening an ~~organ or tissue~~ eye in order to be regenerated said
lens, producing

dedifferentiated cells;

(b) contacting said dedifferentiated cells of step (a) with an amount of
guanosine, effective for transdifferentiation thereby causing transdifferentiation of
said dedifferentiated cells produced in step (a);

(c) contacting said cells from step (b) with an amount of beta-carotene
effective for stabilization thereby causing stabilization of transdifferentiated cells
produced in step

(b); thereby producing stabilized, transdifferentiated cells.

6.-7. (Canceled)

8. (Currently amended) The method of claim ~~7~~ 5 wherein said agent is
administered ~~by a route selected from oral, enteral, by inhalation, topical, by~~
~~aerosol and rectally~~ orally.

9.-13. (Canceled)